

Notice of Allowability**Application No.**

10/815,604

Examiner

JASON M. PERILLA

Applicant(s)

HO ET AL.

Art Unit

2611

- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 5/18/09.
2. ☒ The allowed claim(s) is/are 1-3, 5-8, 10, 11, and 51-56 renumbered respectively as claims 1-15.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying Indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date ____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 8/14/09.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other ____.

EXAMINER'S AMENDMENT

1. Claims 1-3, 5-8, 10, 11, and 51-56 are pending in the instant application.
2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Marc P. Schuyler on August 15, 2009.

The application has been amended as follows wherein the following versions of claims 1, 3, and 6 replace all prior versions in their entirety:

1. A receive circuit comprising:
 - a data input terminal to receive a stream of input data;
 - a first sampler having a first sampler data terminal coupled to the data input terminal, a first clock terminal, and a first data output terminal;
 - a second sampler having a second sampler data terminal coupled to the data input terminal, a second clock terminal and a second data output terminal;
 - a comparison circuit having a first comparison-circuit input node coupled to the first data output terminal, a second comparison-circuit input node coupled to the second data output terminal, and a comparison-circuit output node; and
 - a multiplexer having a first multiplexer input terminal coupled to the first data output terminal, a second multiplexer input terminal connected to the second data output terminal, a select terminal, and a multiplexer output terminal;wherein the comparison circuit issues an error signal in response to mismatches between the first and second sampled-data streams output respectively from the first and second data output terminals.

3. The receive circuit of claim 1, wherein the first and second samplers sample the stream of input data to produce ~~respective~~ the first and second sampled-data streams, and wherein the comparison circuit is adapted to compare at least one of the sampled-data streams with expected data.
6. A receive circuit comprising:
a data input terminal to receive a stream of input data;
a first sampler having a first sampler data terminal coupled to the data input terminal, a first clock terminal, and a first data output terminal;
a second sampler having a second sampler data terminal coupled to the data input terminal, a second clock terminal and a second data output terminal;
a comparison circuit having a first comparison-circuit input node coupled to the first data output terminal, a second comparison-circuit input node coupled to the second data output terminal, and a comparison-circuit output node;
a multiplexer having a first multiplexer input terminal coupled to the first data output terminal, a second multiplexer input terminal connected to the second data output terminal, a select terminal, and a multiplexer output terminal;
and
clock control circuitry coupled to the second clock terminal and to provide the second clock signal, wherein the clock control circuitry is adapted to vary the phase of the second clock signal respective to the first clock signal in response to a timing control signal.

Claims 1-3, 5-8, 10, 11, and 51-56 are renumbered respectively as claims 1-15, and the claim dependency is renumbered accordingly.

Allowable Subject Matter

3. Claims 1-3, 5-8, 10, 11, and 51-56 renumbered respectively as claims 1-15 are allowed.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JASON M. PERILLA whose telephone number is (571)272-3055. The examiner can normally be reached on M-F 8-5 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chieh M. Fan can be reached on (571) 272-3042. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Jason M. Perilla/
Primary Examiner
Art Unit 2611
August 14, 2009

/jmp/